

2 June 1964

25X1A

Statement of Work for System Design Contractor [] for Initial System Trade-off Studies and Preparation of System Specification.
+ Assistance in Evaluating System Production Construction Proposals.

25X1A

1. [] as the System Design Contractor will conduct such studies as are necessary in order to prepare a system specification with adequate detail to provide guidance, 2 or 3 potential system fabrication contractors.

25X1A

Based on the [] specifications the system fabrication contractors will conduct a project definition study, the end product of which will be firm cost and schedules for the project.

25X1A

2. The initial [] studies shall be concentrated on the trade-offs involved in major areas of decision such as:

- The use of synchronous versus nonsynchronous orbits.
- Propulsion and launch schemes.
- Possible antenna configurations and the associated stabilization requirements.
- Operating (maintenance) reliability costs.

3. Subsequent to review of these analyses of the Agency and with the concurrence of the Agency, further studies required to define system specifications shall include:

25X1

a.

b.

c. Date of format and reduction scheme

d. Air/ground station compatibility

e. Launch requirements

f. Support requirements

g. Complimentary mission and growth development

25X1A

4. Analyses performed by the signal consultant contractor []

which will include targetting and RFI analyses together with signal

25X1A

processing schemes shall be made available to [] for incorporation
in their studies.

25X1A

5. With Agency concurrence [] will prepare the system specifications
for project definition and will conduct contractor briefing and assist
the Agency in evaluating the contractor's performance in project definition.

2 June 1964

25X1A To be incorporated in a letter

[redacted] Proposal # P 3275-A describes a very broad scope of work which should be pursued. However, the nature of the problem at the present time indicates a more specific approach. It is desirable that a series of tasks be given to the contractor which reflect the progress and information gained as the program proceeds. The first task

25X1A should be for prototype construction of an [redacted] package having the following characteristics:

a. The sensor should include acoustint amplitude and time

25X1D

[redacted]
d. General search

e. A weight limit of 50 lbs

f. To be delivered by parachute dropped personnel

g. 25 watts output with 90 to 360 daylight

h. Interrogation by [redacted] LF transponded HF reply

Upon completion of prototype construction and when authorized by OEL Contracts, additional tasks will be instituted.